FOR SUMMERTIME SAILORS AND LAND LUBBERS

Have a Safe and Happy Summer

Brigantine
1 Flying jib
2 Outer jib
3 Inner jib
4 Fore topmast staysail
5 Fore staysail
6 Foresail
7 Fore lower topsail
8 Fore upper topsail
9 Fore topgallant sail
10 Fore royal
11 Main staysail
12 Lower main topmast staysail
13 Upper main topmast staysail
14 Main topgallant staysail
15 Mainsail
16 Main gaff topsail

In This Issue

ˢʰᵉ *Blurb* is published monthly by, and for, the members of **The PHIL–MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. *Copying and quoting* is permitted with a credit line. We gladly exchange publications with other amateur radio clubs. Requests should be sent to the Editor. *Subscriptions* are available to non–members for $10, addressed to the Treasurer.

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***Labels and mailing:* WB3KOJ** & **WB3KOH**

Submissions deadline: all copy must be in the hands of the Editors by the 20th of the previous month.

Sunday Morning Net Schedules

· **2 Meter/ 70cm Net.................**at 09:30et on W3QV repeater
· **10–on–10 Net ....**at 10:00et 28.393 MHz USB (±QRM)
· **75 meter Net** ....at 10:20et 3.993 MHz LSB

Contact Phil–mont:
P.O. Box 88
Abington, PA 19001
http://www.phil–mont.org
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For club information: contact any club officer, or the repeaters listed below. Address or club directory changes, and articles that are for the membership e–mail list should be sent to:
wb3koj@comcat.com

The club meets at 7:30 PM on the **second non–holiday Wednesday** of every month except July and August at

The Masonic Home
801 Ridge Pike
Lafayette Hill, PA
19444–1799
All visitors are welcome!

License Examinations

are held on the **first non–holiday Thursday** each month (except July and August) at
Northeast High School,
Cottman and Algon Streets, Philadelphia PA
Registration begins at 6:00 P.M. Enter through the SPARC wing. Exams begin and doors closed and locked at **6:30 P.M. Sharp!** .Applicants should call Dusty ND3Q at 215–879–0505 (day) or 215 482 0386 (eve) for the latest information.

Club Stations

W3QV Club Repeater – *Trustee***: W3BBB**
Ridge & Port Royal Avenues, Philadelphia, PA
147.03 MHz + PL 91.5 Hz ⋄ **444.80 MHz + PL 186.2 Hz**
W3AA at Northeast High School –*Trustee:* **WU3I**
Cottman and Algon Streets, Philadelphia, PA
W3EM – Field Day and special event station
Trustee: **W3VVS**

*President:***KB3IV**	*Vice President:***W3STW**	*Secretary*:**WA3KIO**	*Treasurer*: **W3RM**
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Committees	Blurb folding:	Internet: K3XS	Public Service: open	TVI: W3VVS
Archives: NG3P	WB3KOJ & WB3KOH	Membership: W3LEN	Refreshments: W3AOK	VE Program: ND3Q
Audit: NS3K	Directory:WB3KOJ	Net Control: KB3IV	Repeater: W3BBB	W3AA Trustee: WU3I
Awards: open	DX: N3MT	Publicity: W3RM	Skywarn: WX3PHI	Welcome: K3CJ.
	Emerg.Coor.: N3XKE	Program: Club VP	Sunshine: N3GLU	
	Field Day: open		Youth: N3MT	

Putting PMRC On The Map

–– de Maggie K3XS
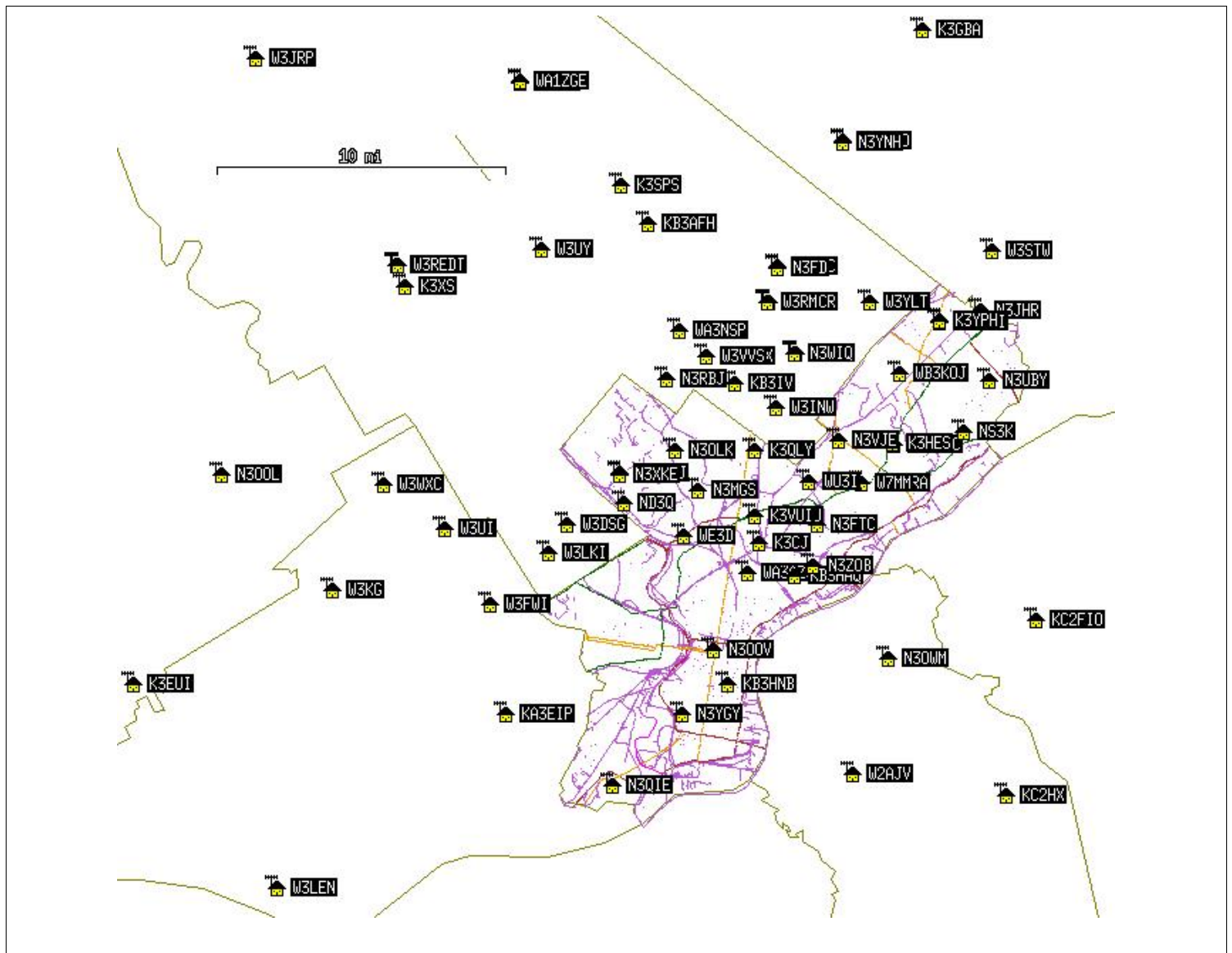
Early in July, my attention was drawn by a feature at the ARRL web site by Ken Harker, WM5R, entitled ***Make a Map of Your Radio Club.***

http://www.arrl.org/news/features/2003/07/01/2/?nc=1

Ken wrote: *"More than simple drawings of where club members live, clubs can use maps to help plan activities, assist new members in finding Elmers, coordinate during disasters and more. ..In our particular club, highlighting the DX Cluster locations can help members decide which clusters to try out. In a repeater club, highlighting repeater locations might be a desirable focus of a club map. An ARES organization might highlight member locations, EOCs, hospitals, Red Cross headquarters and other points of interest. Maps can do a lot that is useful for radio clubs....Maps can say so much more about your radio club membership than a simple list of club member names with counties or grid locators. Clubs can use maps to help plan their services and activities, to assist new members in finding Elmers, to coordinate during disasters and more. "*

Ken's article outlines the technology he used to produce maps for the Central Texas DX & Contest Club, and this got me to thinking about how the process could be streamlined.

In producing a system map for the Metrocomm W3PS linked repeater

system, I had discovered that one of the most flexible (and certainly most inexpensive!) tools for mapping for amateur radio, especially at scales appropriate to VHF/UHF communications is the APRS program XASTIR. (http://www.xastir.org/)

What I envisioned was a program that could be handed a list of amateur callsigns, that would then contact the QRZ.COM website and record the latitude and longitude information available there in a format compatible with the XASTIR object.log file. This essentially creates a virtual APRS station apparently located at the location carried in the FCC data base for each member of PMRC.

It really didn't take as much time as I thought it would to do. The Java programming language is especially well–suited to this task .

So before too long, I had created a list of callsigns from the PMRC 2003 directory, and was using it to interrogate the QRZ.COM site for the necessary information.
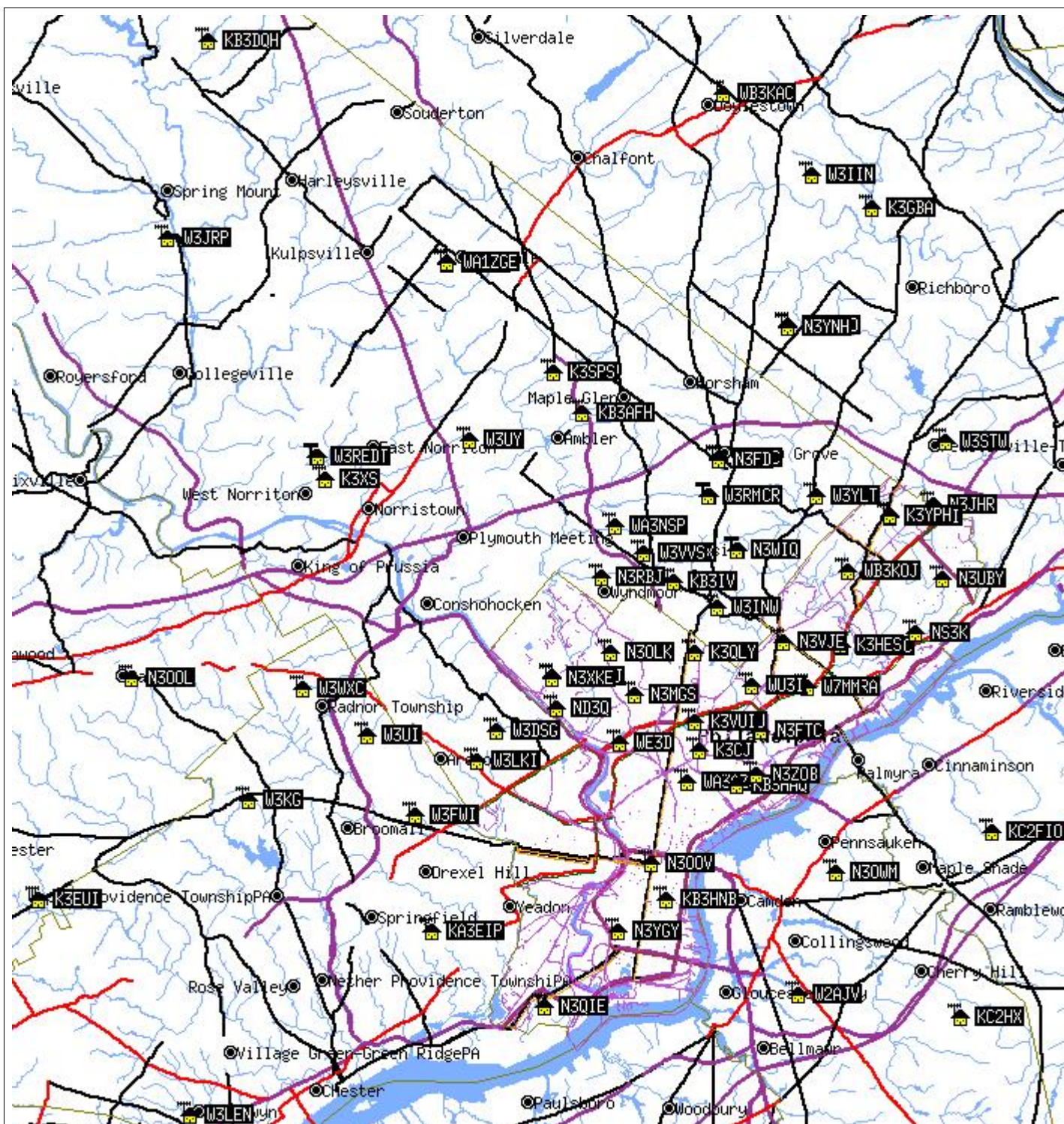
I've reproduced some of the results here. We can use this software to produce maps for many different purposes: investigating repeater coverage, planning events (both club events and public service activities). Emeregency services are a fertile field for mapping information as well.

```java
import java.io.IOException;
import java.net.MalformedURLException;
/**
 * @author Maggie Leber K3XS
 */
public class getQRZdata {
static String[] roster = {
    "KB3AFH", "W2AJV",  "KB3ANO", "W3AOK",  "WA3AZS",
    "W3BBB", "KA3BET",  "K2BN",   "W3CH",   "K3CJ",
    "KB3CPC", "WA3CRM", "N2CYA",  "WE3D",   "N3DLV",
    "N3DO",  "W3DO",    "KB3DQH", "W3DSG",  "K3DTC",
    "KA3EIP", "KB2ERL", "K3EUI",  "N3FD",   "KA2FFP",
    "KC2FIO", "N3FTC",  "N3FTY",  "N3FTZ",  "W3FWI",
    "K3GBA", "N3GLH",   "N3GLU",  "W3GQD",  "KB3HAQ",
    "K3HES", "KC2HGC",  "K3HIJ",  "KB3HIU", "KB3HNB",
    "KB3HPS", "K3HWE",  "KC2HX",  "WU3I",   "W3IIN",
    "W3INW", "KB3IV",   "KB3JCR", "N3JHR",  "W3JRP",
    "NS3K",  "WB3KAC",  "W3KG",   "WA3KIO", "WA3KLR",
    "WB3KOH", "WB3KOJ", "WB3KUR", "W3LEN",  "K2LK",
    "W3LKI", "KB3LRA",  "N3MGS",  "W7MM",   "WP4MSX",
    "N2MT",  "N3MT",    "W3NE",   "WA3NSP", "N3OLK",
    "N3OOL", "N3OOV",   "N3OWM",  "NG3P",   "WX3PHI",
    "ND3Q",  "KE3QB",   "K3QLY",  "N3QMH",  "N3RBJ",
    "N3RCQ", "W3RED",   "W3RM",   "K3SPS",  "W3STW",
    "N3UBY", "W3UI",    "K3UJI",  "W3UY",   "N3VJE",
    "N3VLC", "KA3VLJ",  "K3VU",   "W3VVS",  "AA3WA",
    "N3WIQ", "W3WXC",   "N3XKE",  "K3XS",   "N3YGY",
    "WA3YJR", "W3YLT",  "N3YNH",  "K3YPH",  "WA1ZGE",
    "N3ZO",  "N3QIE" };
                public static void main(String[] args)
                  throws IOException, MalformedURLException {
                        QRZdata q;
                        for (int i=0;i<roster.length;i++)
                                {
                                q = new QRZdata(roster[i]);
                                System.out.println(q.getAPRSObject());
                                }
                }

}
```

getQRZdata.java *–– This program uses the logic in QRZdata.java to look up the FCC database location of every PMRC member on the 2003 roster*

A more detailed map showing important geographic and political features. The map data is provided to XASTIR by the U.S Bureau of the Census TIGER Map Server.

```java
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.net.MalformedURLException;
import java.net.URL;
import java.text.DecimalFormat;
/**
* @author    Maggie Leber K3XS
* @created   July 27, 2003
*/
public class QRZdata {
URL u;
String content, call;
String[] parse,  fields;
static DecimalFormat df = new DecimalFormat("00.00");
static DecimalFormat df2 = new DecimalFormat("000");
float lat, lon;
/**
 *  Connect to the QRZ website and request the detail page
 *  for this callsign. Extract the lat and lon of the station
 */
public QRZdata(String call) throws IOException, MalformedURLException {
                this.call = call;
                u = new URL("http://www.qrz.com/detail/" + call);
                BufferedReader r =
                           new BufferedReader(
                           new InputStreamReader((InputStream) u.getContent()));
                content = "";
                while (content != null) {
                           if (content.indexOf("Coordinates:") != −1) {
                                      // is this the location?
                                      parse = content.split("</?font.*?>");
                                      // break out the fields delimited by <font>...</font>
                                      for (int i = 0; i < parse.length; i++) {
                                                 if (i == 3) {
                                                 // this is the line we want
                                                 fields = parse[i].split("( )+");
                                                 lat = Float.parseFloat(fields[0]);
                                                 lon = 0 − Float.parseFloat(fields[1]);
                                                 }
                                      }
                                      ;
                           }
                           content = r.readLine();
                }
}
/**
 * return this callsign as an XASTIR APRS object
 */
public String getAPRSObject() {
                return (          ";"
                           + call
                           + "        ".substring(0, 9 − call.length())
                           + "*272000z"
                           + (int) Math.floor(lat)
                           + df.format(((lat − Math.floor(lat)) * 60))
                           + "N/"
                           + df2.format((int) Math.floor(lon))
                           + df.format(((lon − Math.floor(lon)) * 60))
                           + "Wy");
}
}
```

QRZdata.java −− this program contains the logic to fetch the "DETAIL" pages from QRZ.COM and extract the latitude and longitude data for each callsign. The getAPRSObject() *method returns the information appropriately formatted for the XASTIR* object.log *file.*

New amateur HF allocation at 5 MHz

Last month, for the first time since the opening of the 17−meter band on January 31, 1989, radio amateurs in the United States gained access to additional HF spectrum.

The new five−channel "60−meter" amateur allocation became available to US Amateur Radio operators at midnight (12:00 AM) local time on July 3, 2003.

Upper sideband phone (USB)is the only permitted emission mode, and instead of the 150 kHz −wide band the ARRL had requested, the new allocation is composed of five discrete channels that are each 2.8 kHz wide.

The nominal channel frequencies are5332, 5348, 5368, 5373 and 5405 kHz−−5405kHz being common to the amateur experimental operation already under way in the United Kingdom.

Users of 60 meters should set their carrier frequency 1.5 kHz lower than the channel center frequency:

Channel Center	Tuning Frequency
5332 kHz	5330.5 kHz
5348 kHz	5346.5 kHz
5368 kHz	5366.5 kHz
5373 kHz	5371.5 kHz
5405 kHz (common US/UK)	5403.5 kHz

ARRL Laboratory Manager Ed Hare, W1RFI, says hams hoping to operate on the new allocation need to be very careful if they're considering modifying their current transceiver or transmitter. The ARRL recommends that members check with the manufacturer of their equipment regarding specific modification information. Some modifications not only might void the warranty on a piece of equipment but could affect or alter a transmitter's operation in unpredictable ways. He suggests restricting audio bandwidth to 200 Hz on the low end, and 2800 Hz on the high end––for a total bandwidth of 2.6 kHz.

Detailed information about operating in the new allocation is available at the ARRL website:

http://www.arrl.org/FandES/field/regulations/faq.html#sixty

Windows Tips from Ted

de Ted N3OWM

Short cuts, tips and other stuff.

Hamfest by the Shore
Sponsored by the Jersey Shore Amateur Radio Society
Sunday August 10, 2003
Bayville Fire House 445 Route 9 Bayville New Jersey

Featuring: Hourly door prizes and one Grand Prize. (Winner need not be present for Grand Prize.) All tables are INDOORS. *No Tail Gating.* Air-conditioned, 4,100 sq. ft. exhibit hall.
KJI Electronics (1-973-364-1930) will be on display!
Advanced Ticket Sales have 2 prize stubs to double your chance of winning!!
Tickets may be purchased by mail from: JSARS PO Box 295 Toms River, NJ 08754-0295
Ticket requests must be received no later that August 1, 2003
VE Testing: Registration at 11:00 AM in a separate quiet building
Food and Refreshments provided by The Bayville Fire Department Auxiliary
Breakfast, Lunch, Snacks; seating available.
Doors Open: 6:00 AM for vendors; 8:00 AM for buyers
Talk-In on the JSARS Repeaters W2DOR:
VHF: 146.910 MHz, PL 127.3 Toms River, NJ; UHF: 443.350MHz, PL 141.3 Lakehurst, NJ

Admission: Buyers/Sellers: $5.00 each; Tables: $15.00 each (includes one seller)
XYLs and Kids under 14 are admitted FREE!!
Tables and advanced tickets: Contact WA2NDA, Ed 609-971-2792; Email: wa2nda@aol.com
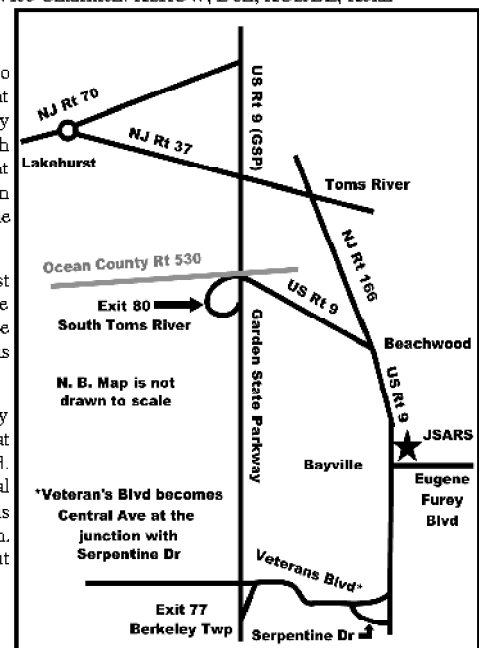Chairman: N2YQS, Rocky; 732-905-3315 Vice-Chairmen: K2HCW, Don; KC2JBZ, Keith

DIRECTIONS

From the North: Take the Garden State Parkway to Exit 80, South Toms River. * Stay in the far right hand lane. Follow the ramp back under the Parkway keeping to the right (US Rt 9). Stay on US Rt 9 South to Bayville. After passing the Rite-Aid on the right (Korman Rd), start looking for the Hamfest parking on the right about 100 yards before the firehouse on the left (about another mile).

From the West: Take NJ Rt 70 East to NJ Rt 37 East in Lakehurst. Take NJ Rt 37 East to the Garden State Parkway South entrance in Toms River. Take the Garden State Parkway South to Exit 80, South Toms River. Follow the directions from * above.

From the South: Take the Garden State Parkway North to Exit 77, Berkeley Township. Turn right at the bottom of the exit ramp onto Veteran's Blvd. Follow Veteran's Blvd East and bear left onto Central Parkway at the junction with Serpentine Dr (go as straight as possible). Turn left onto US Rt 9 North. Look for the firehouse on the right. Parking is about 100 yards further on the left.

C U THERE!!

1. **What's going on behind the Windows 95 logo while it's booting?**

Simply hit ESC key while Windows is booting to see behind the scene actions. You may want to use this feature if you're loading programs during the startup or trying to trace boot–up errors.

2. The next tip is not for the faint of heart.

Did you know that you can *avoid typing full directory names when changing directories from the Command Prompt*? (DOS). To start DOS Start, run , and type "command" then click OK.

Let's say you have a directory named MyPhiladelphiaOfficeFilesFolder

CD MyPhiladelphiaOfficeFilesFolder

try:

    CD myp*

If you have multiple directories starting with the letters "myp" then you'd have to use more characters before the *, until the name can be distinguished from the rest of the directory names in the current directory.

If you have multiple directories to change to such as:

   MyPhiladelphiFolder\AGroup\Outbox

you can use:

    CD myn*\a*\o*

Let's digress a little bit here. Microsoft calls directories "folders" and files "documents". During the early days of DOS all files were 8.3 that is eight characters for the file name and three for the file extension. When long filenames appeared on the scene, the syntax was change to follow long file name at 8.3?

CD myphila~1   that is the first six charters of the file name, a tilde (~) and a number

    MyPhiladelphiaofficefolder

    CD myphila~2

This is how 95 was able to see files on Windows NT servers that had long file names.

I have tested this shortcut on 98, Me, NT and 2KPro

3. ***Are there certain system or program sounds that you want to get rid of or replace with your preferred sounds?*** For example, if you frequently start and exit certain programs with "welcome sounds," you may want to disable such sounds to create a more silent environment.

Go to the Control Panel ("Start , Settings, Control Panel")

Double click on Sounds icon Scroll through the list of event sounds and select the program and the related event that you want to modify.

Use controls at the bottom to disable (set sound name to "None") or select a different sound Click "OK" and close the Control Panel before testing the event sound.

Sound files are .wav files and you can use any wave file for any sound.

You can record a sound on your system with recorder and save it. Then select that file for an event! (like "You got mail" instead of the ding.)

4. ***When you right click on a document or folder one of the choices is Send To***;

You can easily send files to floppy drives,

printers, briefcases, and certain Windows programs by right clicking on it and selecting a destination from "Send To" menu. But, did you know that it's possible to add almost any kind of device and/or program to the "Send To" menu to make it easier to transfer files to most frequently used destinations?

The sendto folder is under windows C:\windows\sendto. You simply open this folder and then move you icon of choice into it.

5. *It's a control thing.*

If you hold the shift key down when inserting a CD autostart will not play.

SHIFT+**DELETE** – Will delete with out sending the data to the Recycle Bin

SHIFT+**CTRL**+**END** – selects from cursor position through the end of the document. With the HOME key, you select to the top of the document.

SHIFT+**PAGE DOWN** – selects from cursor position down a page. With the PAGE Up key, you select up a page.

SHIFT+**END** – selects from cursor position to the end of the line

SHIFT+**HOME** – selects from cursor position to the start of the line

HOME – to beginning of line or far left of field or screen.

END – to end of line, or far right of field or screen.

CTRL+**HOME** – to the top

CTRL+**END** – to the bottom

To close a folder and all it's open parent folders, hold down the Shift key while clicking on it's

Close (X) box or press Alt+Shift+F4. However... Neither method works with mixed Explorer and single pane folder windows.

6. *More good stuff*

Leaving a CD in you CD–ROM drive can slow down Windows performance when windows has to scan drives. The faster you CD–ROM drive, the longer the pause, since it takes longer for fast CD–ROM drives to spool up. Windows knows almost right away when there's no

CD in the drive, so there's no pause.

If you want to get rid of all those files shown in the 'Documents' bin, click the start button, settings, then taskbar. Click the Start Menu Programs tab, and click on Clear in the Documents Menu frame.

73's DE N3OWM
Theojkat@bellatlantic.net

ARRL **VEC**

Monthly Phil–Mont VE Exam Sessions

...are on summer hiatus, but should resume in September. See page 2 for details.

PHIL-MONT
BIRTHDAYS
&
TID-BYTES

By
WB3KOJ

CORRECTION AGAIN:
In the July Blurb, the address change should have been for W3INW, not W3IIN

MEMBERSHIP STATS
At press time P.M.R.C. has:
106 FULL PAID MEMBERS
9 FAMILY MEMBERS
2 YOUTH MEMBERS
2 HONORARY MEMBERS
1 PENDING MEMBER

August Birthdays

02 Tom Bohlander – WA3KLR
04 George King – W3PXY
   Alice Tannenbaum – WA2BTB (XYL K2BN)
05 Rollie Madara – W3PWG
09 Carolyn Popovic – KA3VLJ
12 Joann Hoch – N3FTC
14 Lucille Gargano (XYL N3YGY)
   Pat Mescanti (XYL K2LK)
15 Mark Ackerman – N3DO
   Art Lester – W3FWI
   Richard Williams – KB3CPC
17 Kitty Newman (XYL KC2FIO)
19 Donna Lynn Larkin – WA1WYQ (XYL KA2FFP)
24 Frank Burstein (OM KB3ANO)
30 Paul Bohlander – W3VVS

Proposed new member:
David M. Colucci, KB3HOE
116 Blue Ridge Road,
Plymouth Meeting, PA
KB3HOE@arrl.net.
Occupation: Quality Control
Home: 610–397–1749
Work: 610–356–3128

Remember, during July and August we do not have regular monthly meetings or meetings of our Board of Directors. And starting this year, we will not have VE exams in July and August either.

But even in summertime, our nets still run on their regular schedule, and of course you can always count on getting your monthly Blurb!

Date	August 2003 with PMRC
Fri 01	
Sat 02	
Sun 03	NCS: 2m WA3NSP 75m W2AJV
Mon 04	
Tue 05	
Wed 06	No meetings in August
Thu 07	VE Exams on hiatus until September
Fri 08	
Sat 09	
Sun 10	NCS:2m N3OWM 75m:WA3KIO *(Hamfests: see p7 & 8)*
Mon 11	
Tue 12	
Wed 13	No meetings in August
Thu 14	
Fri 15	
Sat 16	
Sun 17	NCS: 2m:KB3IV 75m:KB3IV
Mon 18	
Tue 19	
Wed 20	
Thu 21	
Fri 22	
Sat 23	
Sun 24	NCS: 2m: N3FTY 75m W3STW
Mon 25	
Tue 26	
Wed 27	
Thu 28	
Fri 29	
Sat 30	
Sun 31	NCS: 2m:W3BBB 75m:W3BBB